

5-21-99
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ZEP Manufacturing Company
Acuity Specialty Products Group, Inc.
P.O. Box 2015
Atlanta, GA 30301
1-877-I-BUY-ZEP

Material Safety Data Sheet and Safe Handling and Disposal Information

Section 1. Chemical Product and Company Identification

Product name FORMULA 4358
Product Use Powder Car Wash
Product Code 0407
Date of issue 05/21/99 **Supersedes** 06/15/88

Emergency For MSDS Information:
Telephone Numbers Acuity Specialty Products Group, Inc.
Compliance Services 1-877-I-BUY-ZEP

For Medical Emergency
INFOTRAC:
(877) 541-2016 Toll Free - All Calls Recorded

For a Transportation Emergency
CHEMTREC:
(800) 424-9300 - All Calls Recorded
In the District of Columbia (202) 483-7616

Prepared by Compliance Services Group
Acuity Specialty Products Group
1420 Seaboard Industrial Blvd.
Atlanta, GA 30318

00228 B363
ASH GROVE CEMENT WEST INC
3801 E MARGINAL WAY S
SEATTLE WA 98134-1147

Printing date: 07/30/04

Section 2. Composition, Information on Ingredients

Name of Hazardous Ingredients	CAS #	% by Weight	Exposure Limits
NONYLPHENOXY POLY(ETHYLENEOXY) ETHANOL - npe; poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega-hydroxy	9016-45-9	10-20	Not available.

Section 3. Hazards Identification

Acute Effects Routes of Entry Not applicable.
Skin Hazardous in case of skin contact (irritant). Non-sensitizer for skin. May cause mild irritation with direct contact. Skin inflammation is characterized by itching, scaling, or reddening.
Eyes Hazardous in case of eye contact (irritant). May cause eye irritation. Inflammation of the eye is characterized by redness, watering, and itching.
Inhalation Hazardous in case of inhalation. May cause irritation of respiratory tract, coughing, shortness of breath.
Ingestion No data on acute toxicity of the product when ingested. Can cause gastrointestinal disturbances.

HMIS	
Health	1
Flammability	0
Reactivity	0
Personal Protection	A

Carcinogenic Effects Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.
Chronic Effects There is no known effect from chronic exposure to this product.

See Toxicological Information (section 11)

Section 4. First Aid Measures

Eye Contact Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if irritation develops.
Skin Contact In case of contact, immediately flush skin with plenty of water. Get medical attention if irritation develops.
Inhalation If inhaled, remove to fresh air. If symptoms persist, seek immediate medical attention.
Ingestion Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink. Get medical attention immediately.

Section 5. Fire Fighting Measures

Flash Point Not applicable. **Flammable Limits** Not applicable.
Flammability Non-combustible.
Fire Hazard May emit toxic fumes under fire conditions.
Fire-Fighting Procedures Wear special protective clothing and positive pressure, self-contained breathing apparatus. Use water spray or fog.



USEPA SF



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Section 6. Accidental Release Measures

Spill Clean up Put on appropriate personal protective equipment (see Section 8). Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Section 7. Handling and Storage

Handling Avoid contact with eyes. Avoid breathing dust.

Storage Keep container tightly closed. Keep container in a cool, well-ventilated area. Store between 40°F - 120°F (4.4°C - 49°C). Keep out of the reach of children.

Section 8. Exposure Controls, Personal Protection**Personal Protection****Protective Clothing (Pictograms)**

Eyes Safety eyewear should be used when there is a likelihood of exposure.
Recommended: Safety glasses.



Body Recommended: For prolonged or repeated handling, use gloves.

Respiratory No special measures required.

Section 9. Physical and Chemical Properties

Physical State Solid. (Very fine solid powder.)

Color Red.

pH 9.3 (0.25 lbs./gal. Solution.)

Odor Pleasant.

Boiling Point Not applicable.

Vapor Pressure Not applicable.

Specific Gravity Not applicable.

Vapor Density Not applicable.

Solubility 1 pound/gallon

Evaporation Rate Not applicable.

VOC (Consumer) 0.66%

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.

Incompatibility Reactive with oxidizing agents.

Hazardous Polymerization Will not occur.

Hazardous Decomposition Products Carbon Dioxide. Carbon Monoxide. When heated to decomposition it emits toxic fumes.

Section 11. Toxicological Information

Toxicity to Animals Not available.

Section 12. Ecological Information

Ecotoxicity Not available.

Biodegradable/OECD Not available.

Section 13. Disposal Considerations

Waste Waste must be disposed of in accordance with federal, state and local environmental control regulations. **Waste Stream Code:** - (None.)

Information Consult your local or regional authorities.

Classification: - (Non-hazardous waste)

Section 14. Transport Information

Proper shipping name None.

DOT Classification Not a DOT controlled material (United States).

UN number Not applicable.

Section 15. Regulatory Information

U.S. Federal Regulations SARA 313 toxic chemical notification and release reporting:
No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean air act (CAA) 112 regulated toxic substances: No products were found.

Section 16. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.